

FIG. 1

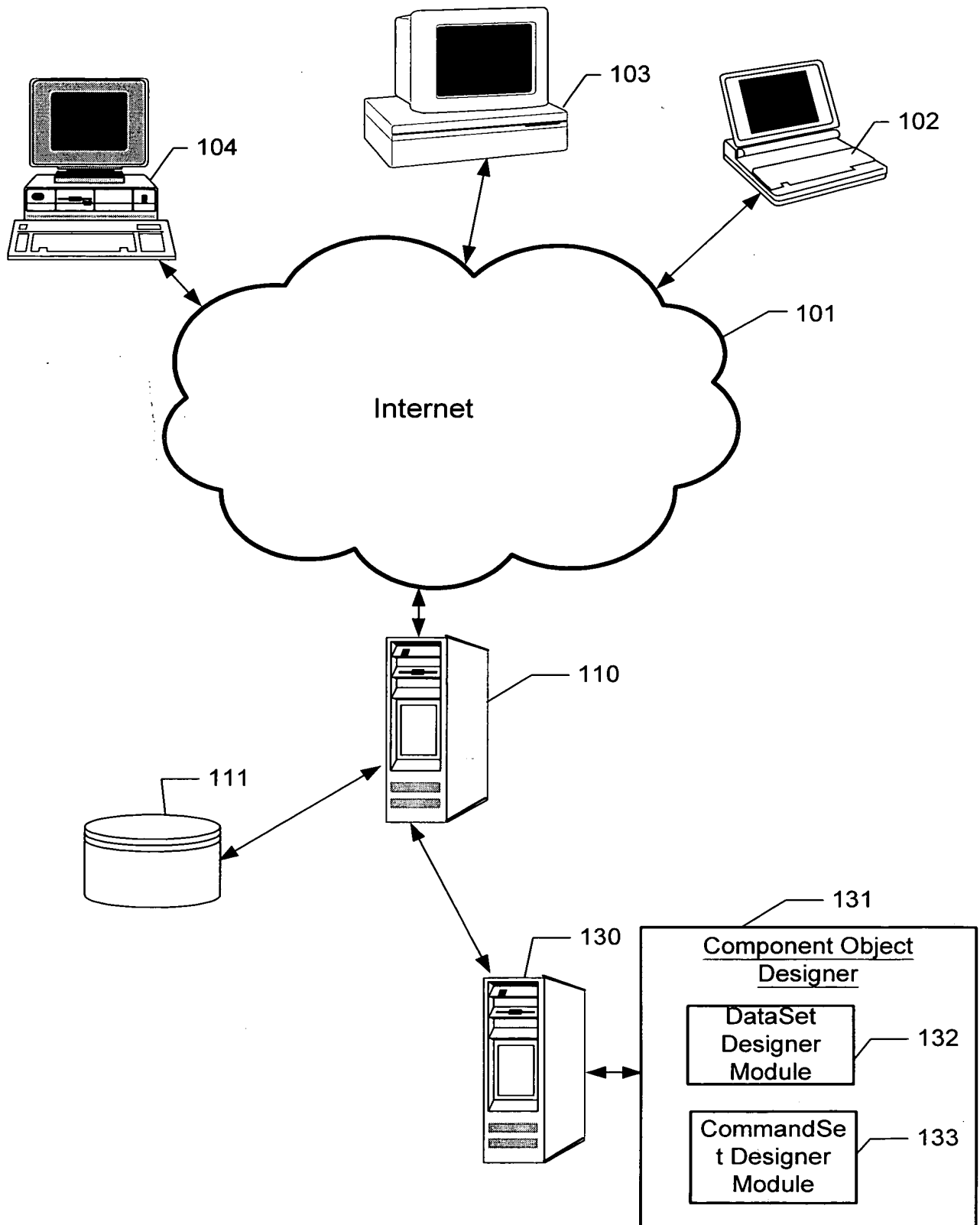


FIG. 2

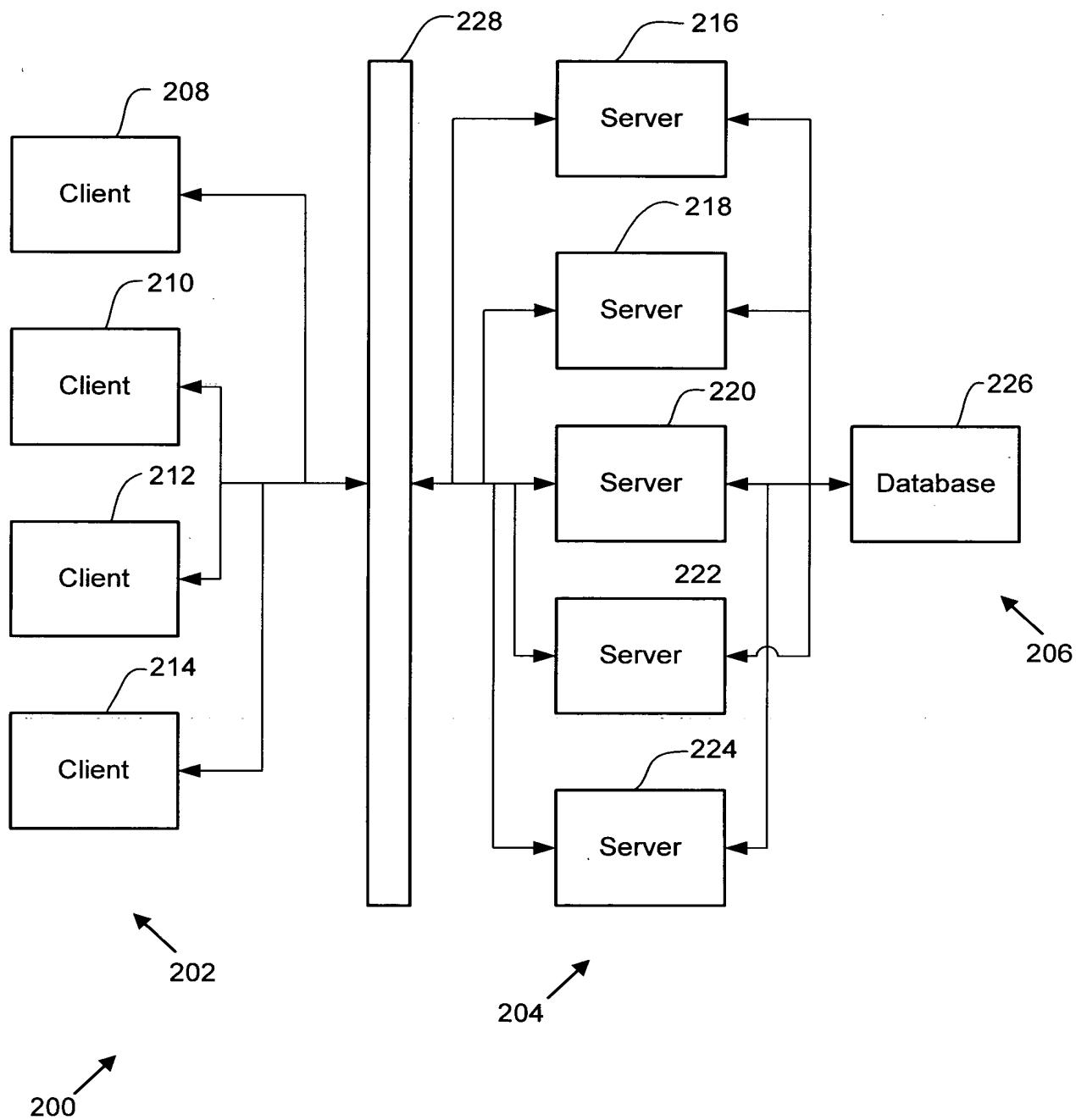


FIG. 3

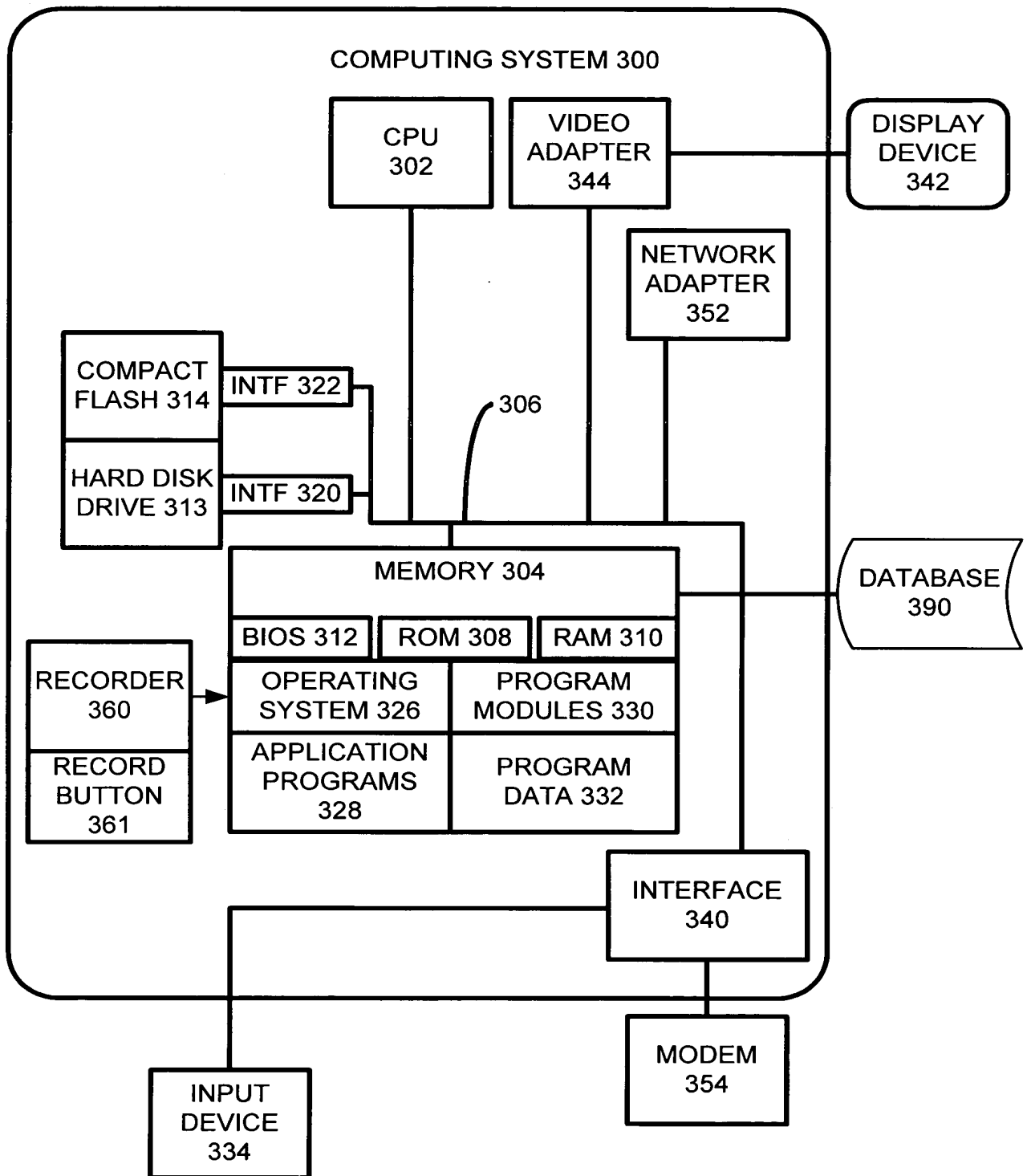


FIG. 4

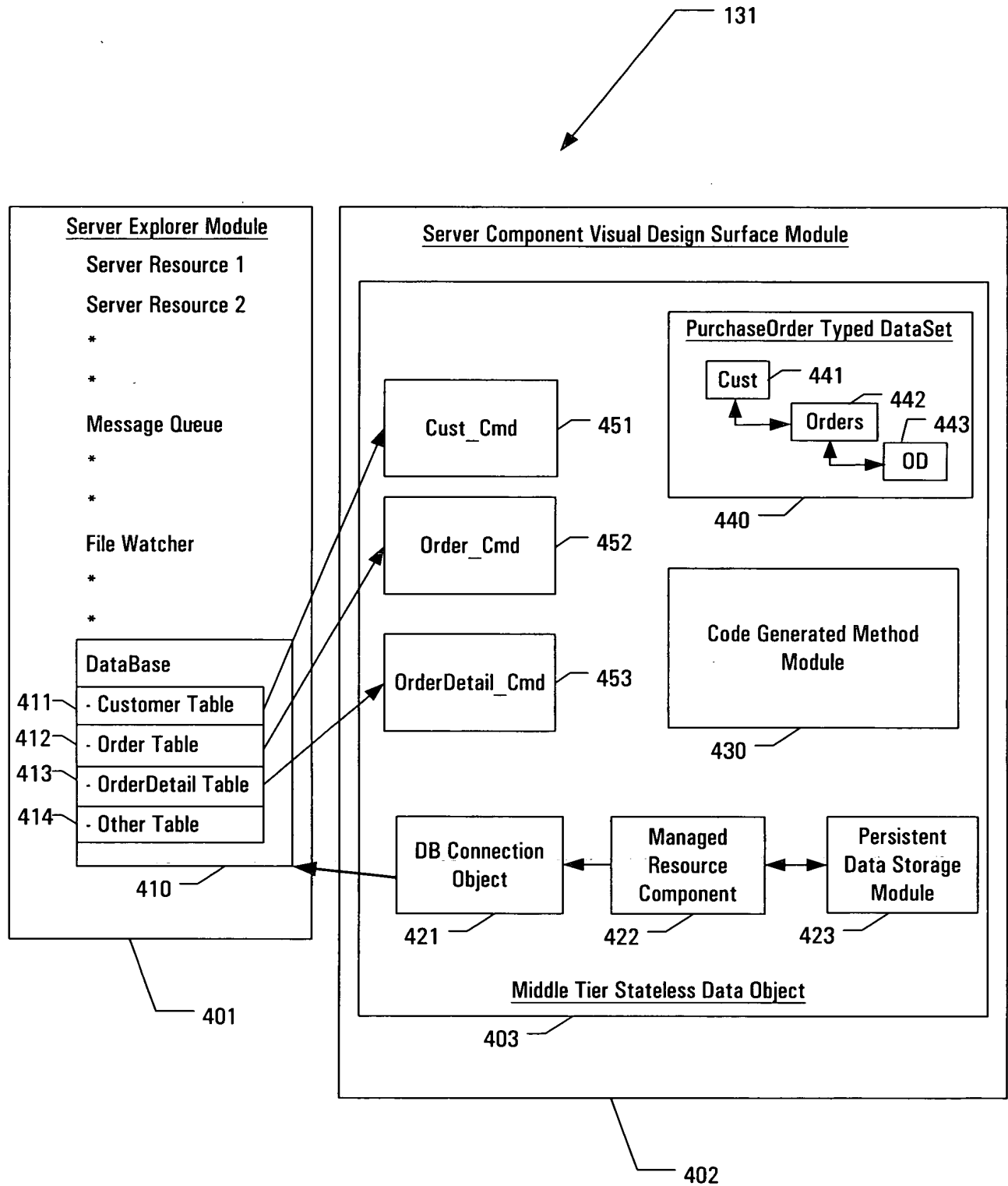


FIG. 5

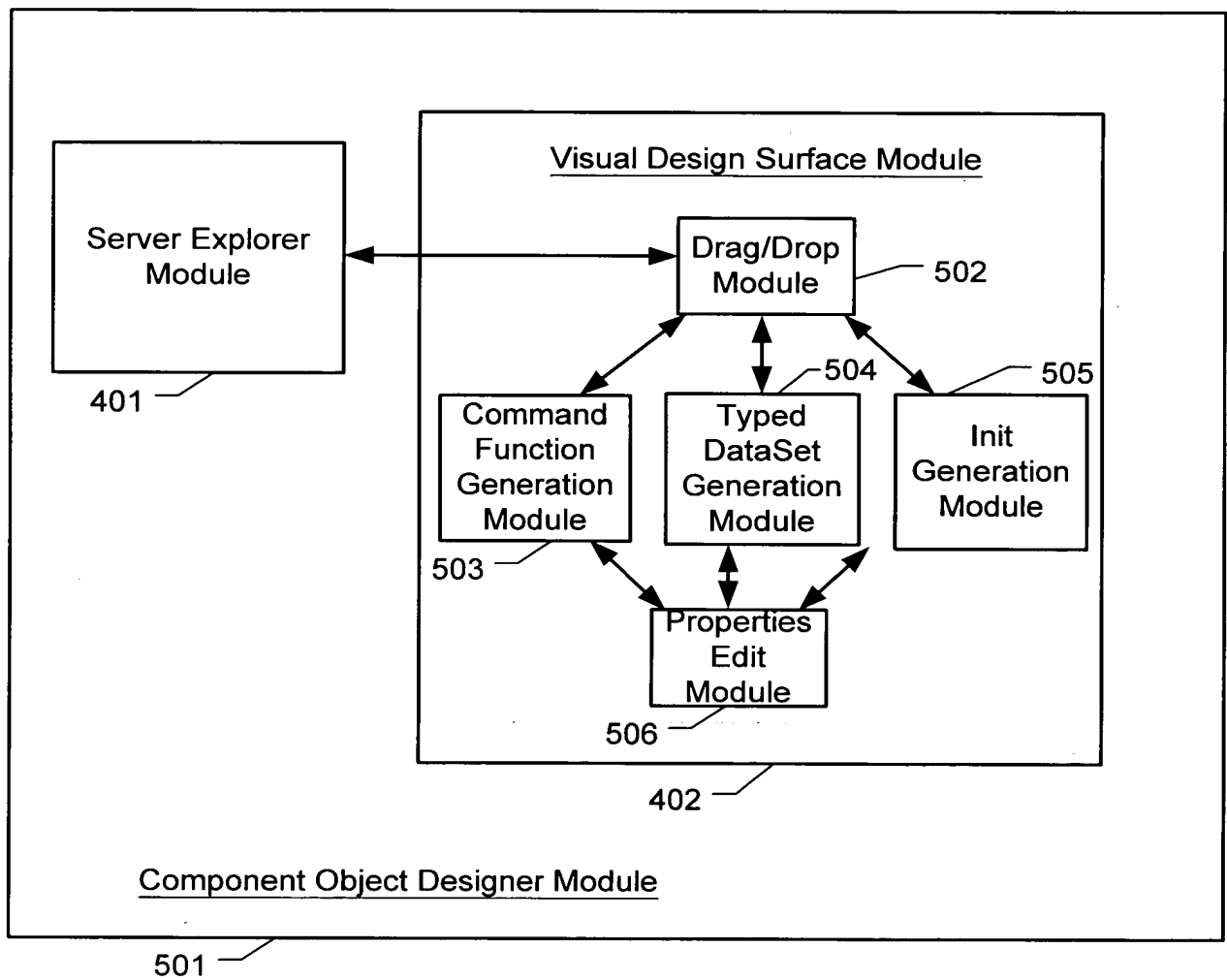


FIG. 6

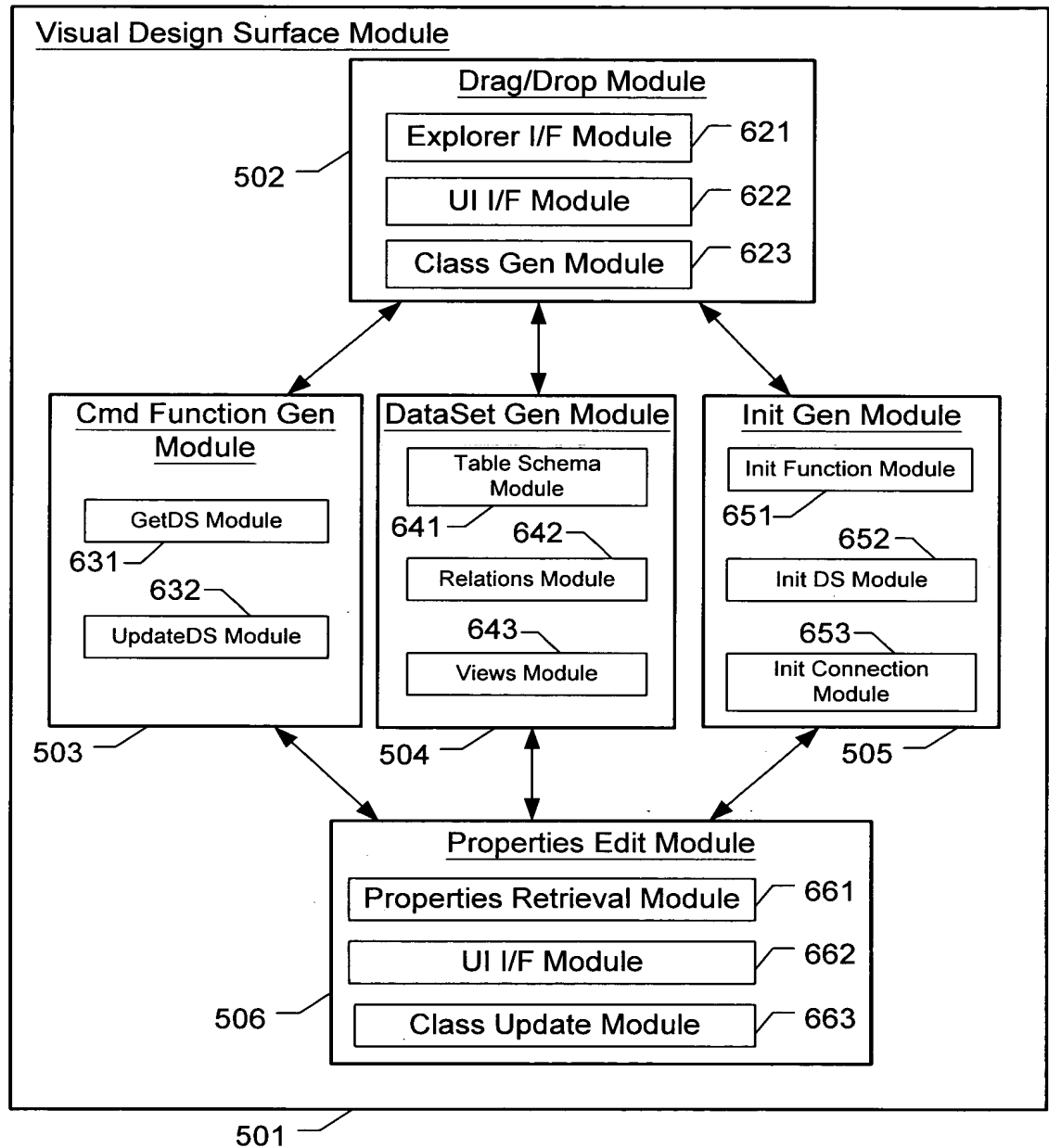


FIG. 7a

FillDataSet Method

**Public Function XXXXFillDataSet(ByVal dataSet As DataSet {,ByVal
{ParameterName} As System.{ParameterType}}) As Long**

' Copy input Parameter Values to the Parameter Collection

DIM vtParameter As Variant

vtParameter1 = {ParameterName}

Set

{AdapterInstance}.SelectCommand.Parameters.Item(ParameterName.Value=vtParameter1

'Create an error handling block in case filldataset throws an exception

Try

'Load dataSet from the command

XXXXXFillDataSet = {AdapterInstance}.**FillDataSet**(dataset)

Catch eFillException as Exception

'if we can do a debug.print without a reference, then we should print the
'error info to the output window and re-throw the error.

End

End Function

FIG. 7b

UpdateDataSet Method

Public Function XXXXUodateDataSet (ByVal updateDataSet As DataSet) As Long

```
    const DataCursorRowState flag = DataCursorRowState.new |  
DataCursorRowState.Deleted | DataCursorRowState.ModifiedCurrent;  
    DataRow[] datarows = dataTable.Select(" ", " ", flag);
```

```
    Dim UpdateRows as DataRows()  
    Dim NewRows as DataRows()  
    Dim DeletedRows as DataRows()
```

```
    ' Get All of the Deleted Rows and Update the Data Store  
    DeletedRows = UpdateDataSet.Select(" ", " ", DataCursorRowState.Deleted)  
    If 0 < dataRowLength then  
        Update(DeletedRows, AdapterInstance.DefaultSourceTableName);  
    End If
```

```
    ' Get All of the Updates Rows and Update the Data Store  
    UpdatedRows = UpdateDataSet.Select(" ", " ",  
DataCursorRowState.ModifiedCurrent)  
    If 0 < dataRowLength then  
        Update(DeletedRows, AdapterInstance.DefaultSourceTableName);  
    End If
```

```
    ' Get All of the New Rows and Update the Data Store  
    NewRows = UpdateDataSet.Select(" ", " ", DataCursorRowState.New)  
    If 0 < dataRowLength then  
        Update(DeletedRows, AdapterInstance.DefaultSourceTableName);  
    End If
```

End Function

FIG. 8a

FillAllDataSet

Public Sub FillAllDataSet(**ByVal** dataset **As** DataSet, **ByVal** Parameters **As** System.{ParameterType})

' The line below is added for each adapter on the Virtual Design Surface

' Passing into the function only the necessary parameters

(AdapterName1)FillDataSet dataset{, _parameters}

(AdapterName2)FillDataSet dataset{, _parameters}

*

*

*

(AdapterNameN)FillDataSet dataset{, _parameters}

End Sub

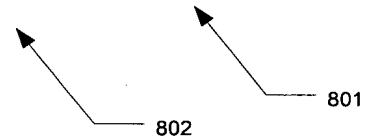


FIG. 8b

UpdateAllDataSet

Public Sub Update{DataSetName} (**ByVal** dataset **As** DataSet)

' The line below is added for each adapter on the Virtual Design Surface

(AdapterName1)Update dataSet

(AdapterName2)Update dataSet

*

*

*

(AdapterNameN)Update dataSet

End Sub

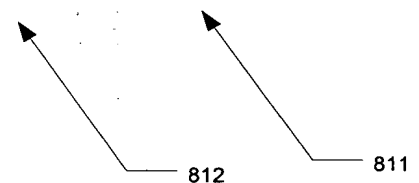
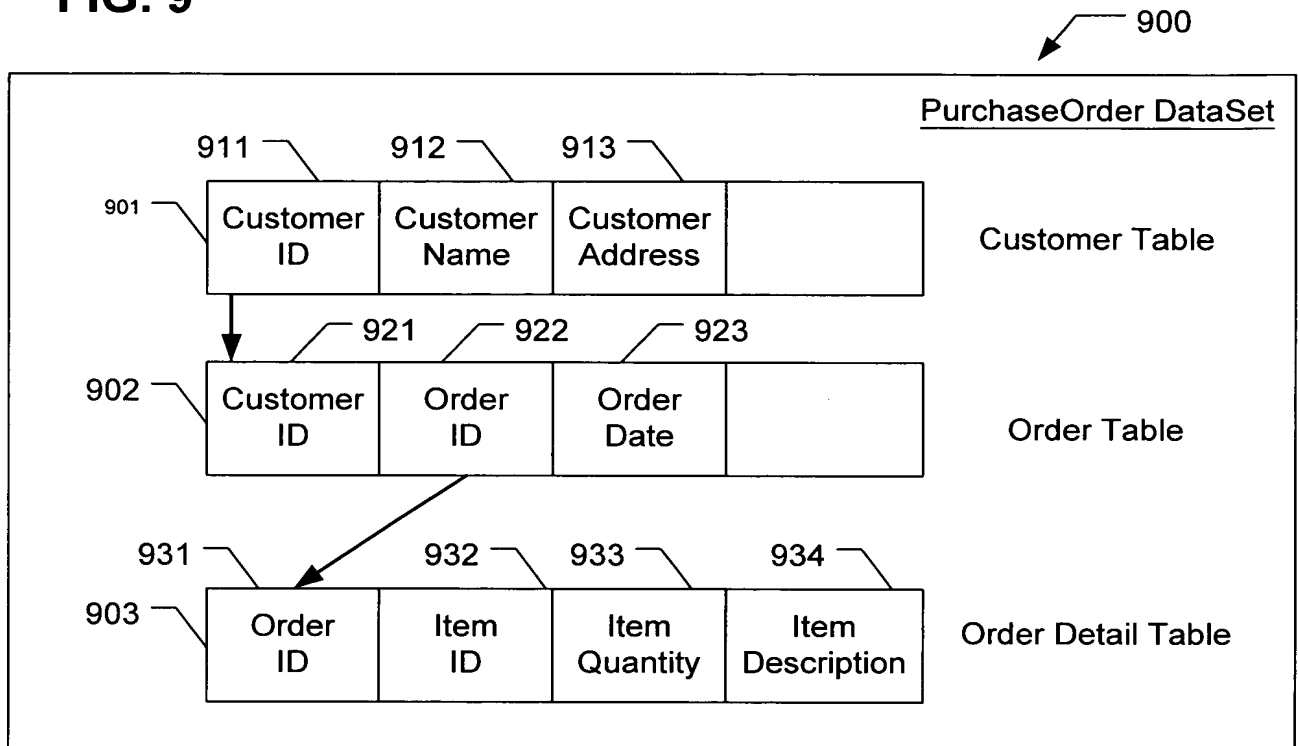


FIG. 9



940

```
Public Sub FillAllDataSet(ByVal PurchaseOrder As DataSet(, ByVal Parameters As
System.{ParameterType})
```

```
CustomerFillDataSet PurchaseOrder(, _parameters)
OrderFillDataSet PurchaseOrder(, _parameters)
OrderDetailFillDataSet PurchaseOrder(, _parameters)
```

End Sub

```
Public Sub UpdateAll (ByVal PurchaseOrder As DataSet)
```

' The line below is added for each adapter on the Virtual Design Surface

```
OrderDetailUpdate (PurchaseOrder, Filtered (Delete))
OrderUpdate (PurchaseOrder, Filtered (Delete))
CustomerUpdate (PurchaseOrder, Filtered (Delete))
```

' The line below is added for each adapter on the Virtual Design Surface

```
OrderDetailUpdate (PurchaseOrder, Filtered (Insert | Update))
OrderUpdate (PurchaseOrder, Filtered (Insert | Update))
CustomerUpdate (PurchaseOrder, Filtered (Insert | Update))
```

End Sub

FIG. 10

